

IN THE CLAIMS

1-23 (canceled)

24. (currently amended) A partial fragmentation projectile comprising a hard penetrating core and fragmenting soft core having a cavity therein to receive the hard penetrating core, wherein the and a hard penetrating core that penetrates and separates from said fragmenting soft core upon impact; wherein the hard penetrating core is made of a material that is harder than that of the fragmenting soft core and, as seen in the direction of the trajectory of the projectile, is arranged in front of said fragmenting soft core, wherein said fragmenting soft core and said hard penetrating core are completely surrounded by a jacket lying entirely on the periphery of the partial fragmentation projectile, wherein the shape of a rear of said hard penetrating core and the shape of the nose of said fragmenting soft core are harmonized with the fragmentation characteristics required for the projectile, depending on the caliber and impact speed and the nature of the quarry.

25. (canceled)

26. (previously presented) A partial fragmentation projectile according to claim 24, wherein a nose of said fragmenting soft core has a recess which is arranged centered on the midline of the projectile.

27. (previously presented) A partial fragmentation projectile according to claim 26, wherein said recess in said fragmenting soft core is conical, depression-shaped or bell-shaped.

28. (previously presented) A partial fragmentation projectile according to claim 27, wherein said recess in said fragmenting soft core is conical recess having a tip angle, wherein the tip angle of the conical recess is between 30° and 90°.

29. (previously presented) A partial fragmentation projectile according to claim 26, wherein a cavity adjoins said recess in said fragmenting soft core, which is arranged centered on the midline of the projectile.

30. (previously presented) A partial fragmentation projectile according to claim 29, wherein said cavity extends inwards for not more than ¼ of the length of said fragmenting soft

core of the projectile.

31. (previously presented) A partial fragmentation projectile according to claim 26, wherein said recess in said fragmenting soft core is surrounded by a circular annular surface and that this circular annular surface is perpendicular to the midline of the partial fragmentation projectile.

32. (previously presented) A partial fragmentation projectile according to claim 24, wherein the shape of the rear of said hard penetrating core is matched to the respective shape of the recess of fragmenting soft projectile core.

33. (previously presented) A partial fragmentation projectile according to claim 32, wherein the rear of said hard penetrating core matched to the nose of said fragmenting soft core is surrounded by a circular annular surface and that this circular annular surface is perpendicular to the midline of the partial fragmentation projectile.

34. (previously presented) A partial fragmentation projectile according to claim 24, wherein said hard penetrating core is made of lead free materials.

35. (previously presented) A partial fragmentation projectile according to claim 34, wherein the nose of said hard penetrating core is designed as a flat head or with a hole at a tip of said hard penetrating core.

36. (previously presented) A partial fragmentation projectile according to claim 24, wherein a tip of the projectile has a shape matched to required flight characteristics.

37. (previously presented) A partial fragmentation projectile according to claim 36, further comprising a projectile cover in the form of a cap.

38. (previously presented) A partial fragmentation projectile according to claim 36, wherein the projectile has a solid tip.

39. (previously presented) A partial fragmentation projectile according to claim 38, wherein the solid tip has a shaft on the rear side which extends into the hard penetrating core.

40. (previously presented) A partial fragmentation projectile according to claim 38, wherein the projectile comprises a biodegradable plastic.

41. (previously presented) A partial fragmentation projectile according to claim 24, wherein the projectile has a sharp edge.

42. (previously presented) A partial fragmentation projectile according to claim 41, wherein the sharp edge is formed by a crimping in the jacket of the projectile at the transition point between the hard penetrating core and said fragmenting soft core.

43. (previously presented) A partial fragmentation projectile according to claim 24, wherein the thickness of a wall of the jacket of the projectile decreases from a rear of the projectile to a sharp edge thereof.

44. (previously presented) A partial fragmentation projectile according to claim 24, wherein the thickness of a wall of projectile jacket in a narrowing part of the projectile is less than in a cylindrical part.

45. (currently amended) A partial fragmentation projectile according to claim 24, wherein the projectile consists of a lead-free material.

46. (previously presented) A partial fragmentation projectile according to claim 45, wherein said lead free material is selected from the group consisting of a plastic, a synthetic resin, and a metallic material selected from the group consisting of copper, tin, zinc, iron, tungsten, silver, aluminum, tantalum, vanadium and an alloy of the metallic materials.